## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016498

A.	CLASSIFICA	TION OF SUBJECT	r MATTER			
	Int.Cl7	C04B35/80, B22F3/105	C04B35/64,	C22C1/10,	C22C47/14,	C22C49/14,
		D22F3/103				

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> C04B35/00-35/84, C22C1/00-49/14, B22F1/00-9/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922–1996 Jitsuyo Shinan Toroku Koho 1996–2004

Kokai Jitsuyo Shinan Koho 1971–2004 Toroku Jitsuyo Shinan Koho 1994–2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Form PCT/ISA/210 (second sheet) (January 2004)

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Υ .	JP 2003-301048 A (Porima Tekku Kabushiki Kaisha), 21 October, 2003 (21.10.03), Par. Nos. [0005], [0056], [0057] & US 2003/194544 A1 & EP 1352922 A2	1,3,5,7,9-12	
Y	JP 10-168502 A (Osaka Gas Co., Ltd.), 23 June, 1998 (23.06.98), Claims 2 to 4; Par. Nos. [0001], [0018] to [0023] (Family: none)	1,3,5,7,9-12	
Y	JP 10-88256 A (President of The University of Tokyo), 07 April, 1998 (07.04.98), Claims 1, 2 (Family: none)	1,3,5,7,9-12	

×	Further documents are listed in the continuation of Box C.		See patent family annex.	
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive	
"L"			step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family	
"O" "P"				
Date of the actual completion of the international search		Date of mailing of the international search report		
	01 December, 2004 (01.12.04)		14 December, 2004 (14.12.04)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/016498

C (Continuation	). DOCUMENTS CONSIDERED TO BE RELEVANT	0047010490
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2000-128648 A (Asahi Optical Co., Ltd.), 09 May, 2000 (09.05.00), Par. No. [0025] (Family: none)	1,3,5,7,9-12
Y	JP 8-333165 A (Mitsubishi Materials Corp.), 17 December, 1996 (17.12.96), Par. Nos. [0016] to [0021], [0023] (Family: none)	1,3,5,7,9-12
Y	JP 2002-226268 A (Hitachi Metals, Ltd.), 14 August, 2002 (14.08.02), Par. No. [0007] (Family: none)	9-12
Y A	JP 2003-277871 A (National Institute of Advanced Industrial Science and Technology), 02 October, 2003 (02.10.03), Par. No. [0013] (Family: none)	5,7,9-12 2,4,6,8

Form PCT/ISA/210 (continuation of second sheet) (January 2004)